The Commonwealth of Massachusetts
Executive Office of Health and Human Services
Department of Public Health
William A. Hinton State Laboratory Institute
305 South Street, Jamaica Plain, MA 02130

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GOVERNOR

TIMOTHY P. MURRAY
LIEUTENANT GOVERNOR

JUDYANN BIGBY, MD
SECRETARY
JOHN AUERBACH
COMMISSIONER

2/27/2012

Andrius Knasas
Assistant District Attorney
Suffolk County District Attorney's Office

Dear ADA Knasas,

Enclosed is the information you requested in regards to item # ███████

    1.Curriculum Vitae for Hevis Lleshi and Kate Corbett

    2.Drug Analysis Laboratory Receipt.

    3.Control Card with analytical results for sample # ███████

    4.Analysis sheet with custodial chemist's hand notations and test results.

    5.GC/Mass Spectral analytical data for sample # ███████

Hevis Lleshi was the custodial chemist and performed preliminary testing and net weight for this sample. Kate Corbett was the confirmatory chemist and analyzed the GC/MS data for this sample.

If you have any questions about these materials, please call me at the number below.

Sincerely,

Ms. Hevis Lleshi
Chemist I
Drug Analysis Laboratory
Jamaica Plain, MA 02130
(617) 983-6627

Curriculum Vitae

Hevis Lleshi

Education

Boston University School of Medicine – Master of Science, Forensic Science
University of South Florida – Bachelor of Arts, Clinical Psychology

Related Coursework

Forensic Chemistry • Forensic Toxicology • Forensic Pathology • Forensic DNA   Analysis
Organic / Analytical Chemistry • Forensic Biology • Biochemistry • Forensic Trace Evidence

Employment

March, 2011 – Present
Chemist I, Massachusetts Department of Public Health,
Drug Analysis Laboratory

- Appointed Assistant Analyst by Assistant Commissioner of Public Health, June, 2011
- Responsible for the identification of substances to determine violation of harmful and narcotic drug laws of the Commonwealth of Massachusetts
- Trained in the use of complex analytical instrumentation for the purpose of forensic drug analysis
- Notary Public

Additional Training and Laboratory Experience

- Completed ten-week training course conducted by Laboratory Senior Staff within the Department of Public Health, Drug Analysis Laboratory, 2011
- GC and GC/MS training with Restek, 2011
- Instrumental Forensic Chemistry/Toxicology Laboratory, Boston University, 2009
- Serology/Bloodstain Pattern Analysis Techniques, Boston University, 2009

Internship, MASSACHUSETTS STATE POLICE—MARINE SECTION, BOSTON, MA, 2008 – 2010

Associations

- American Academy of Forensic Sciences (AAFS)
- Boston University Forensic Science Society (BUFSS)

Curriculum Vitae

Kate A. Corbett

Education

Bachelor of Science Degree, CHEMISTRY May 2003
MERRIMACK COLLEGE
Coursework included: Organic Chemistry, Inorganic Chemistry, Quantitative
Analysis, Instrumental Analysis, Physical Chemistry, Physics, Calculus

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Employment

Chemist II State Laboratory Institute (March 2008-Present)
Massachusetts Department of Public Health
Drug Analysis Laboratory
- ➢ Responsible for the identification of substance and trafficking substances to determine violation of the Massachusetts drug laws
- ➢ Responsible for the identification of pharmaceuticals to determine violation of the Massachusetts drug laws
- ➢ Operate analytical instrumentation, microscopes and balances for forensic drug analysis

Chemist I State Laboratory Institute (2005-March 2008)
Massachusetts Department of Public Health
Drug Analysis Laboratory
- ➢ Responsible for the identification of substance to determine violation of the Massachusetts drug laws
- ➢ Operate analytical instrumentation for the purpose of performing forensic drug analysis
- ➢ Successfully completed an eight week training course in the analysis of drugs conducted by senior staff of the Department of Public Health, Drug Analysis Laboratory
- ➢ Appointed an assistant analyst for the Department of Public Health, Drug Analysis Laboratory in 2005.

Research Associate (September 2003 – August 2005)
SENSOR TECHNOLOGIES, INC - Shrewsbury, MA
- ➢ Prepared chemistries used in making sensor beads
- ➢ Generated and examined sensors employing fluorescence spectroscopy
- ➢ Performed protein, dye and sugar assays using UV/VIS spectrophotometry
- ➢ Carried out titrations on ricin using fluorescence correlation spectroscopy
- ➢ Statistical analysis of experimental data

Intern (March 2003 – August 2003)
MASSACHUSETTS STATE POLICE CRIME LABORATORY - Sudbury, MA
- ➢ Assisted in the gathering of case files to fulfill the National Institute of Justice's No Suspect Backlog Reduction Grant
- ➢ Observed in the Evidence, Criminalistics, DNA, Drug, Trace, Toxicology, and Bomb/Arson Units

BostonPolice D E P A R T M E N T

DRUG RECEIPT

CC # ████████

BOOK # 155

PAGE # 170

DESTRUCTION # _____

District/Unit B-2

Name & Rank of Arresting Officer P.O. Cook   ID# 76157

DEFENDANT'S NAME	ADDRESS	CITY	STATE
████████	████████	Roxbury	Ma

DESCRIPTION OF ITEMS SUBMITTED	GROSS QUANTITY	LAB USE ONLY GROSS WEIGHT	ANALYSIS NUMBER
1 small P.B's Crack Cocaine	4 P.B's	5.80g	████████

To be completed by ECU personnel only

Name and Rank of Submitting Officer Sybil White   ID# 11064

Received by _____   Date 9-9-11

ECU Control # _____

No. ▮▮▮▮▮▮ Date Analyzed: 2/10/12
City: Boston D.C.U. Police
Officer: P.O. STEEL WHITE

Def: ▮▮▮▮▮▮
Amount: Subst: SUB
No. Cont: 4 Cont: pb

Date Rec'd: 03/06/2011 No. Analyzed: 1

Gross Wt: 5.600   Net Wt: 0.12g (of 1 pb tested)
                        #Tests: 6
                          .2KAE

Prelim. Cocaine (H4) Findings: Cocaine

DRUG POWDER ANALYSIS FORM

SAMPLE # ███████████ AGENCY Boston ANALYST HLL

No. of samples tested: 1 Evidence Wt. OK

PHYSICAL DESCRIPTION:

Gross Wt (4): 0.6862g

Gross Wt (1): 0.1790g

Four pb containing Pkg. Wt:

off white substance.

All pb inside e larger Net Wt: 0.1215g

pb. One pb tested.

PRELIMINARY TESTS
Spot Tests

Cobalt Thiocyanate ( )+ cweak/ + blue w/acid

Marquis —

Froehde's —

Mecke's —

Microcrystalline Tests

Gold Chloride +

TLTA (—) + w/acid

OTHER TESTS

PRELIMINARY TEST RESULTS

RESULTS Cocaine

DATE 2/2/2012

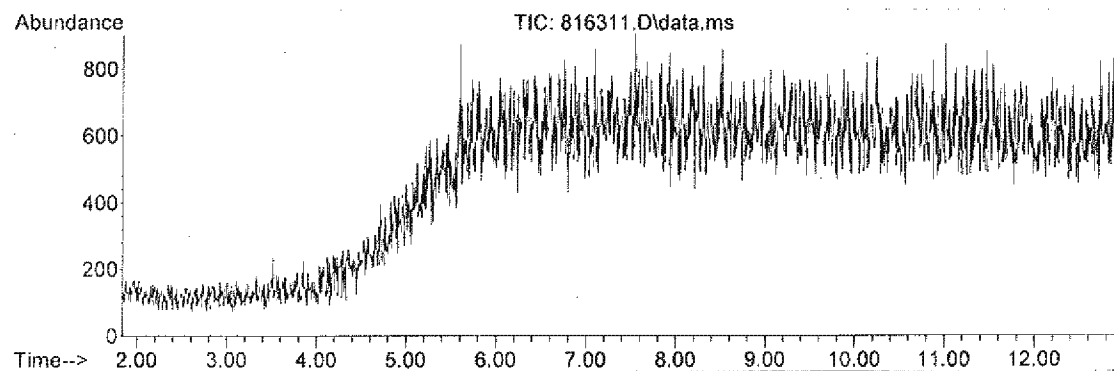## GC/MS CONFIRMATORY TEST

RESULTS Cocaine

MS OPERATOR KAC

DATE 2/10/2012

√KAC
2/27/12

Information from Data File:
```
File Name      : C:\msdchem\1\System7\02_07_12\816311.D
Operator       : KAC
Date Acquired  :  7 Feb 2012  11:53
Sample Name    : BLANK
Submitted by   :
Vial Number    :  1
AcquisitionMeth: DRUGS.M
Integrator     : RTE
```
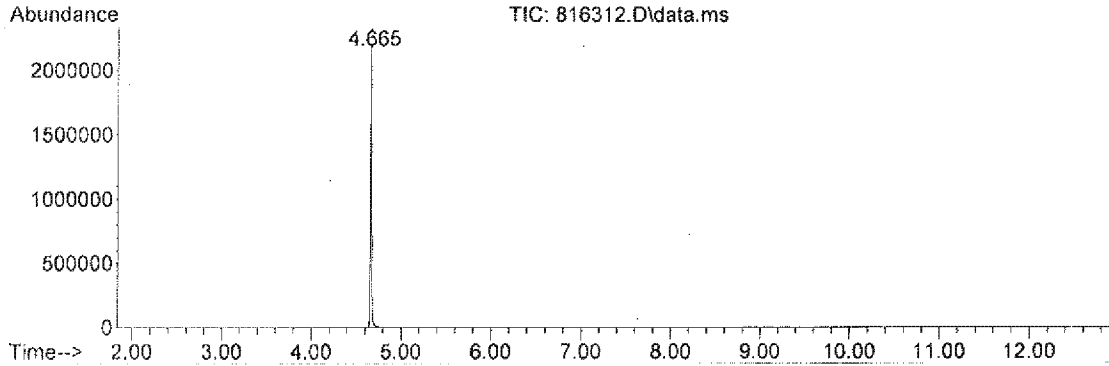

TIC: 816311.D\data.ms

Ret. Time	Area	Area %	Ratio %

NO INTEGRATED PEAKS

Area Percent / Library Search Report

Information from Data File:
File Name   : C:\msdchem\1\System7\02_07_12\816312.D
Operator   : KAC
Date Acquired : 7 Feb 2012 12:09
Sample Name   : COCAINE STD
Submitted by   :
Vial Number   : 12
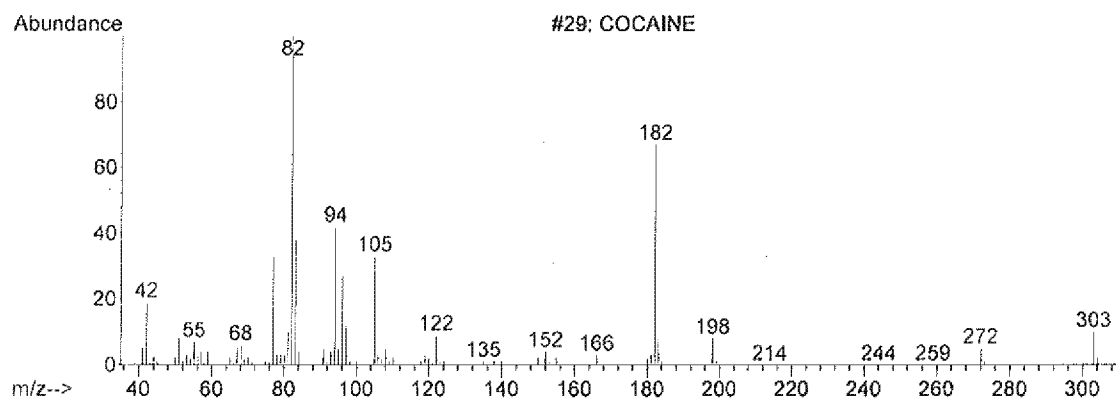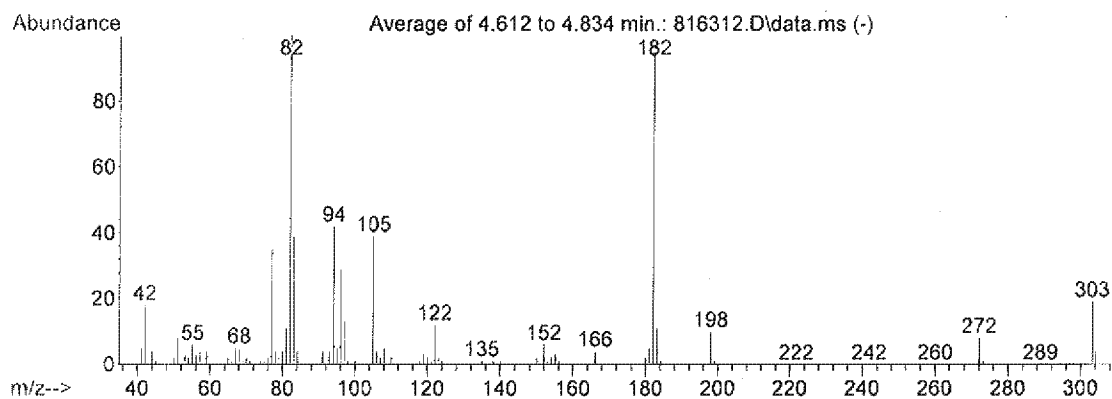AcquisitionMeth: DRUGS.M
Integrator   : RTE

Ret. Time	Area	Area %	Ratio %
4.665	2149179	100.00	100.00

Information from Data File:
File Name   : C:\msdchem\1\System7\02_07_12\816312.D
Operator   : KAC
Date Acquired : 7 Feb 2012 12:09
Sample Name   : COCAINE STD
Submitted by   :
Vial Number   : 12
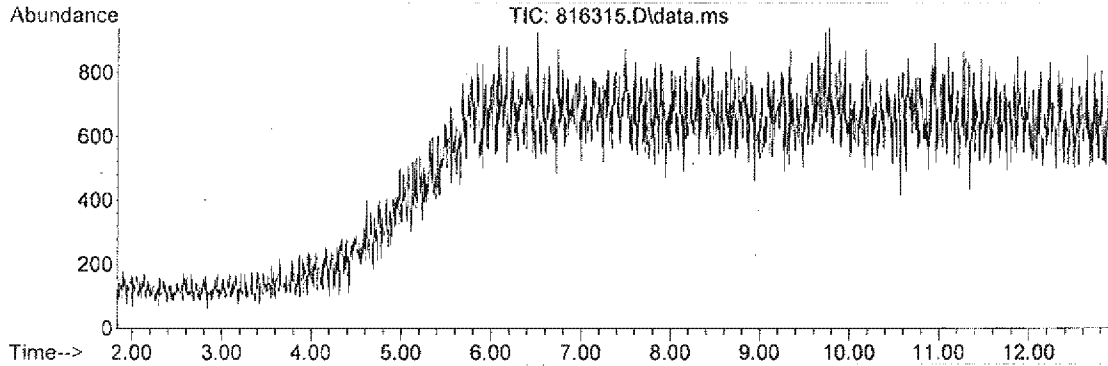AcquisitionMeth: DRUGS.M
Integrator   : RTE

Search Libraries: C:\Database\SLI.L   Minimum Quality: 85
                    C:\Database\NIST05a.L   Minimum Quality: 85
                    C:\Database\PMW_TOX2.L

PK#	RT	Library/ID	CAS#	Qual
1	4.66	C:\Database\SLI.L		
		COCAINE	000050-36-2	99

Abundance   Average of 4.612 to 4.834 min.: 816312.D\data.ms (-)

Abundance   #29: COCAINE

Information from Data File:
File Name   : C:\msdchem\1\System7\02_07_12\816315.D
Operator   : KAC
Date Acquired : 7 Feb 2012 12:55
Sample Name   : BLANK
Submitted by   : HLL
Vial Number   : 1
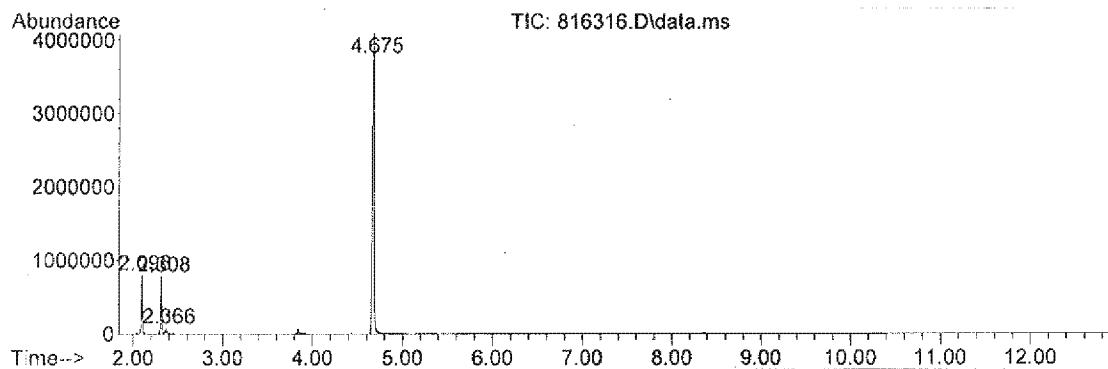AcquisitionMeth: DRUGS.M
Integrator   : RTE

Abundance   TIC: 816315.D\data.ms

Ret. Time   Area   Area %   Ratio %

NO INTEGRATED PEAKS

Area Percent / Library Search Report

Information from Data File:
File Name   : C:\msdchem\1\System7\02_07_12\816316.D
Operator   : KAC
Date Acquired : 7 Feb 2012   13:11
Sample Name   : ███████
Submitted by   : HLL
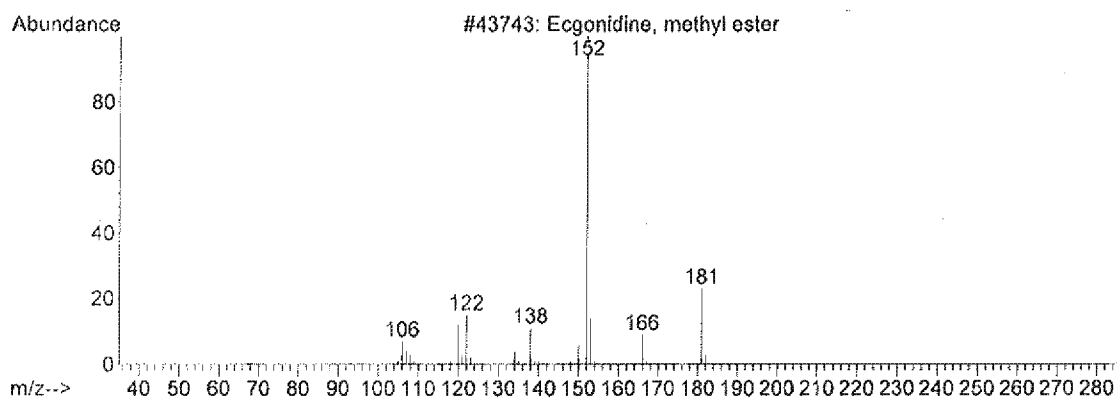Vial Number   : 16
AcquisitionMeth: DRUGS.M
Integrator   : RTE

Ret. Time	Area	Area %	Ratio %
2.096	754939	9.96	12.50
2.308	677771	8.95	11.23
2.366	106394	1.40	1.76
4.675	6037290	79.69	100.00

Information from Data File:
File Name   : C:\msdchem\1\System7\02_07_12\816316.D
Operator   : KAC
Date Acquired : 7 Feb 2012 13:11
Sample Name   : ██████████
Submitted by   : HLL
Vial Number   : 16
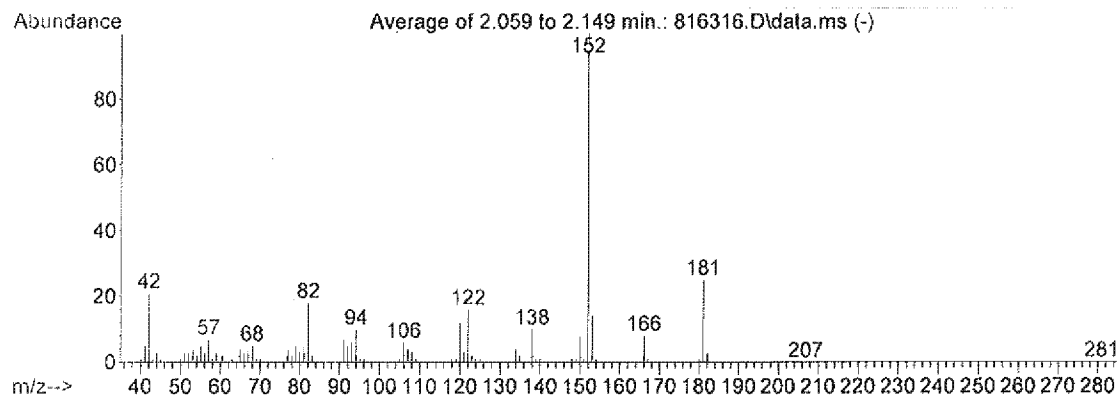AcquisitionMeth: DRUGS.M
Integrator   : RTE

Search Libraries: C:\Database\SLI.L   Minimum Quality: 85
                    C:\Database\NIST05a.L   Minimum Quality: 85
                    C:\Database\PMW_TOX2.L

PK#	RT	Library/ID	CAS#	Qual
1	2.10	C:\Database\NIST05a.L		
		Ecgonidine, methyl ester	127379-24-2	98
		2-Carbomethoxy-8-methyl-8-azabicycl	043021-26-7	97
		2,6-Dimethoxytoluene	005673-07-4	47

Abundance   Average of 2.059 to 2.149 min.: 816316.D\data.ms (-)

Abundance   #43743: Ecgonidine, methyl ester
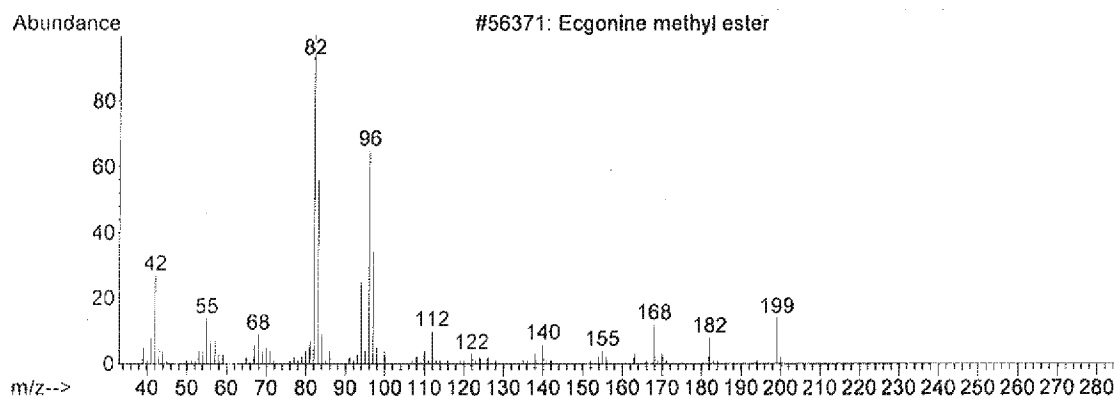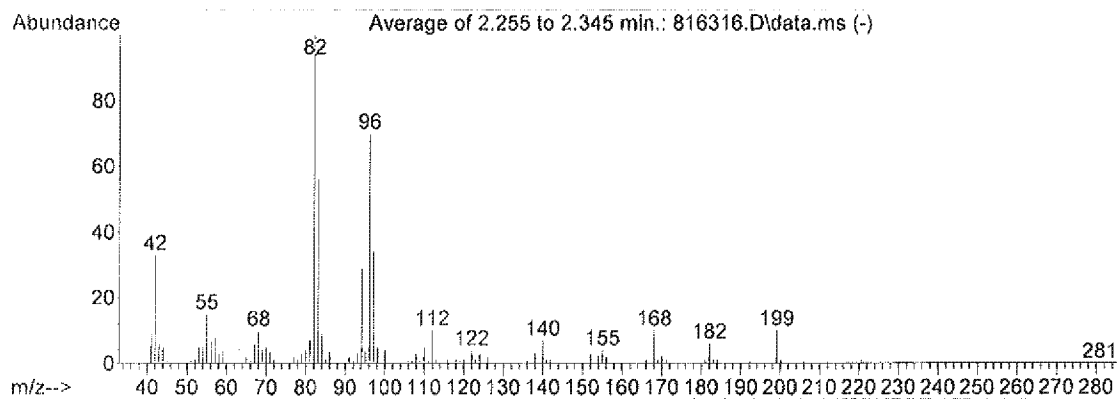
Information from Data File:
File Name   : C:\msdchem\1\System7\02_07_12\816316.D
Operator   : KAC
Date Acquired   : 7 Feb 2012 13:11
Sample Name   : ███████████
Submitted by   : HLL
Vial Number   : 16
AcquisitionMeth: DRUGS.M
Integrator   : RTE

Search Libraries: C:\Database\SLI.L   Minimum Quality: 85
                   C:\Database\NIST05a.L   Minimum Quality: 85
                   C:\Database\PMW_TOX2.L

PK#	RT	Library/ID	CAS#	Qual
2	2.31	C:\Database\NIST05a.L		
		Ecgonine methyl ester	106293-60-1	98
		Ecgonine methyl ester	106293-60-1	98
		Ecgonine methyl ester	106293-60-1	98

Abundance   Average of 2.255 to 2.345 min.: 816316.D\data.ms (-)

Abundance   #56371: Ecgonine methyl ester
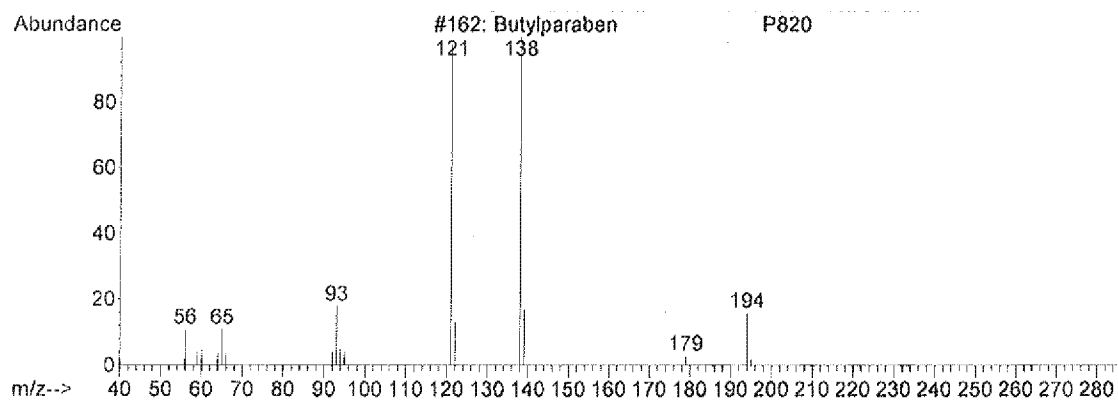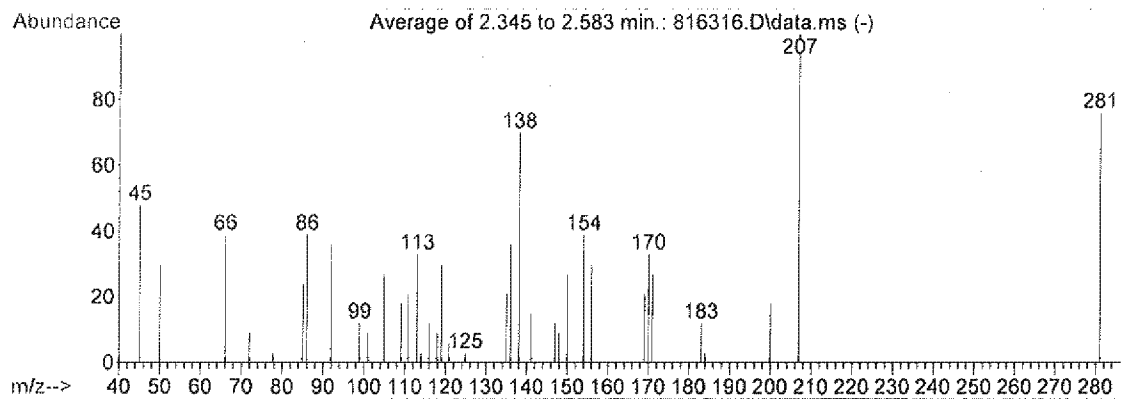
Area Percent / Library Search Report

Information from Data File:
File Name   : C:\msdchem\1\System7\02_07_12\816316.D
Operator   : KAC
Date Acquired : 7 Feb 2012 13:11
Sample Name   : ███████████
Submitted by   : HLL
Vial Number   : 16
AcquisitionMeth: DRUGS.M
Integrator   : RTE

Search Libraries: C:\Database\SLI.L   Minimum Quality: 85
                   C:\Database\NIST05a.L   Minimum Quality: 85
                   C:\Database\PMW_TOX2.L

PK#	RT	Library/ID	CAS#	Qual
3	2.37	C:\Database\PMW_TOX2.L		
		Butylparaben	000094-26-8	1
		GC stationary phase (OV-101)	000000-00-0	1
		GC stationary phase (UCC-W-982)	000000-00-0	1

Average of 2.345 to 2.583 min.: 816316.D\data.ms (-)
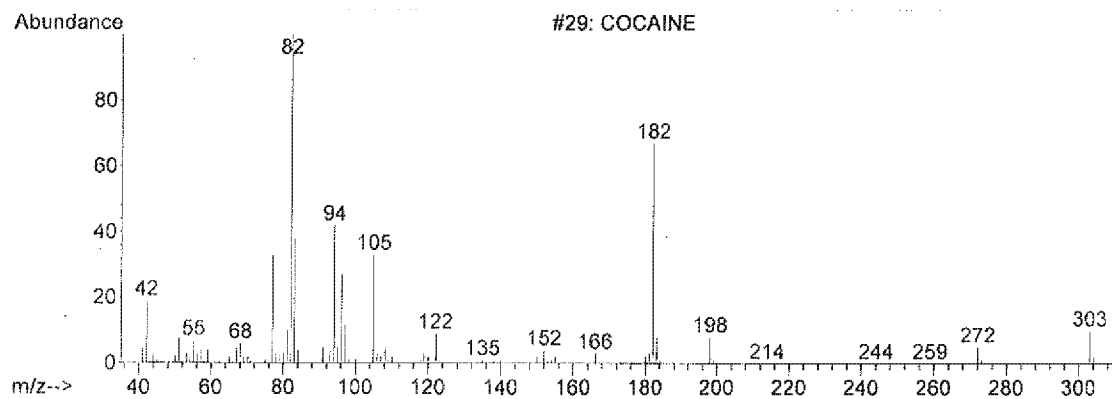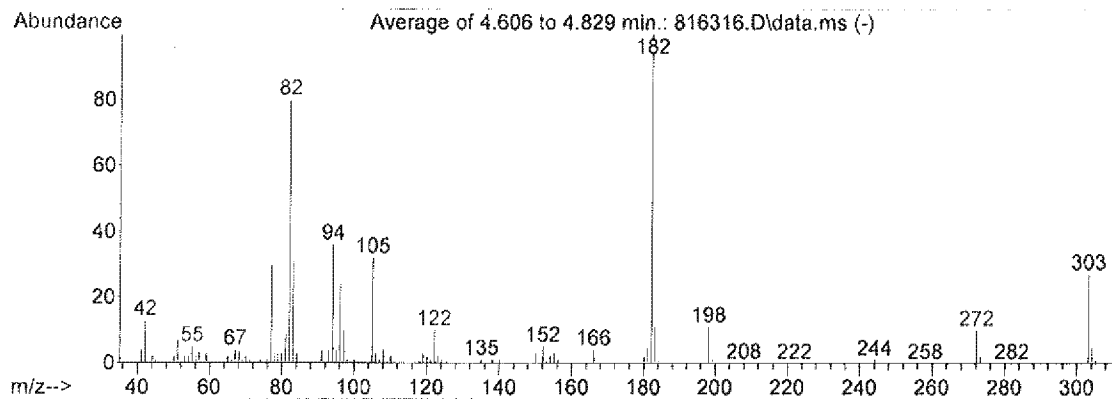

#162: Butylparaben   P820

Information from Data File:
File Name   : C:\msdchem\1\System7\02_07_12\816316.D
Operator   : KAC
Date Acquired   : 7 Feb 2012 13:11
Sample Name   : ███████████
Submitted by   : HLL
Vial Number   : 16
AcquisitionMeth: DRUGS.M
Integrator   : RTE

Search Libraries: C:\Database\SLI.L   Minimum Quality: 85
                   C:\Database\NIST05a.L   Minimum Quality: 85
                   C:\Database\PMW_TOX2.L

PK#	RT	Library/ID	CAS#	Qual
4	4.68	C:\Database\SLI.L		
		COCAINE	000050-36-2	99

Abundance   Average of 4.606 to 4.829 min.: 816316.D\data.ms (-)

Abundance   #29: COCAINE

Area Percent / Library Search Report

Information from Data File:
File Name   : C:\msdchem\1\System7\02_07_12\816333.D
Operator   : KAC
Date Acquired : 7 Feb 2012 17:36
Sample Name   : BLANK
Submitted by   :
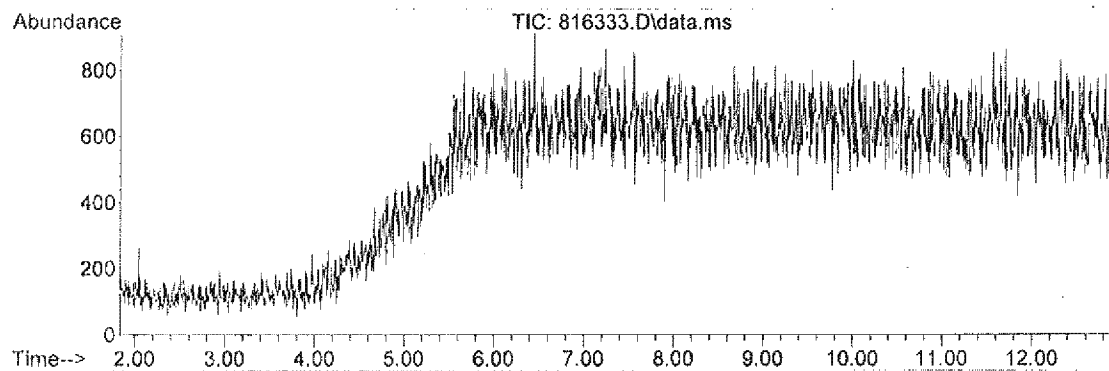Vial Number   : 1
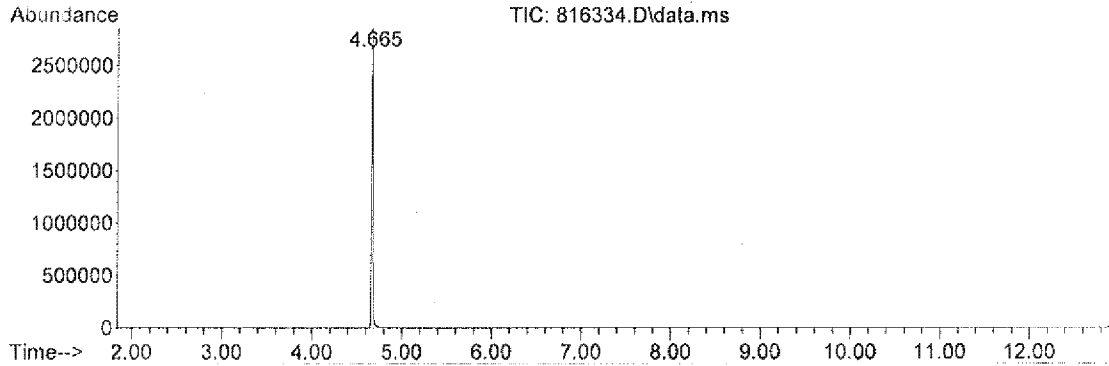AcquisitionMeth: DRUGS.M
Integrator   : RTE

Ret. Time   Area   Area %   Ratio %

NO INTEGRATED PEAKS

Area Percent / Library Search Report

Information from Data File:
File Name   : C:\msdchem\1\System7\02_07_12\816334.D
Operator   : KAC
Date Acquired : 7 Feb 2012 17:51
Sample Name   : COCAINE STD
Submitted by   :
Vial Number   : 34
AcquisitionMeth: DRUGS.M
Integrator   : RTE

Abundance   TIC: 816334.D\data.ms
                  4.665

2500000
2000000
1500000
1000000
 500000
       0
Time--> 2.00   3.00   4.00   5.00   6.00   7.00   8.00   9.00   10.00   11.00   12.00

Ret. Time   Area   Area %   Ratio %

4.665   2924803   100.00   100.00

Information from Data File:
File Name   : C:\msdchem\1\System7\02_07_12\816334.D
Operator   : KAC
Date Acquired : 7 Feb 2012 17:51
Sample Name   : COCAINE STD
Submitted by   :
Vial Number   : 34
AcquisitionMeth: DRUGS.M
Integrator   : RTE

Search Libraries: C:\Database\SLI.L   Minimum Quality: 85
                    C:\Database\NIST05a.L   Minimum Quality: 85
                    C:\Database\PMW_TOX2.L

PK#	RT	Library/ID	CAS#	Qual
1	4.66	C:\Database\SLI.L COCAINE	000050-36-2	99

Average of 4.617 to 4.829 min.: 816334.D\data.ms (-)

#29: COCAINE

816334.D   Mon Feb 27 15:04:08 2012   Page   2